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## The galerucine beetles of Java, with a description of a new species (Coleoptera: Chrysomelidae, Galerucinae)

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A list of 23 species of galerucine beetles from Java preserved in the Museum of Zoology, Lund University is presented, which includes six new records, a new combination and a new species. The new species is *Cerophysa javanensis*, n.sp.

**Keywords:** Galerucinae, new species, Java, Indonesia.

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### Introduction

This report presents a list of Galerucinae from Java, Indonesia preserved in the Museum of Zoology, Lund University, Sweden. The list comprises of 23 species, a new species, a new combination and six new records. All the specimens were collected from the Province of Western Java by Hjalmar Möller in 1897 and N. A. Kemner in 1921. The holotype and paratypes of the new species are deposited in the Museum of Zoology, Lund University (ZML). One of the paratypes and duplicate specimens from other species will be deposited in the collection of the Centre for Insect Systematics, Universiti Kebangsaan Malaysia, Bangi, UKM). The author would like to thank Dr. Roy Danielsson for the loan of the specimens.

### Systematics

*Cerophysa javanensis* Mohamedsaid, n. sp.

Fig. 1.

**Type locality:** Indonesia, Java, Tjibodas.

**Type material:** Holotype: Male, locality as above, v–viii. 1897,

Hjalmar Möller. Type specimen in coll. Zoology Museum, Lund University, Sweden. — **Paratypes:** Java, Tjibodas, v–viii. 1897, Hjalmar Möller, 2 ♀ in coll. Zool. Mus., Lund Univ. Sweden; 1 ♂ in coll. Centre for Insect Systematics, Universiti Kebangsaan Malaysia, Bangi (UKM). Java, Gede, 1500–2000 m, 30.v.1921, N. A. Kemner, 1 ♂ in coll. Zoology Museum, Lund University, Sweden.

**Taxonomic remarks.** The new species resembles *Cerophysa flava* Baly, but differs in having the scutellum, ventral surfaces of meso- and metathorax, abdomen and legs purplish-black; in male, the antennal segment 8 cylindrical and shorter than segments 4–7 combined; in female, the antennal segment 8 cylindrical, 1.5x longer than each of the segments 4–7.

**Etymology:** With reference to the locality, Java.

### Description

Dorsal surface brownish, ventral surface dark brown, with bluish tinge. Head with vertex impunctate, smooth, shiny; frontal tubercles subquadrate, weakly raised; coronal suture distinct from post-occiput to the frontal tubercles; interantennal space as broad as the antennal socket; interocular space 2x as broad as the transverse diameter of each eye; clypeus moderately raised, triangular, sparsely covered with long hairs; labrum transverse, sparsely covered with



long hairs, the apical margin truncate; maxillary palpi filiform, the apical segment small, conical, the penultimate slightly broaden at apex. Eyes large. Gena shallower than 0.5 the transverse diameter of an eye. Antennae extended to the middle of elytra, the underside covered with long hairs; segment 1 club-shaped, shorter than segment 8; 2 shortest, moniliform; 3 subcylindrical, 3× longer than 2, 1.2× longer than 4; 5–7 submoniliform, subequal in length, shorter than 4; 8 cylindrical, longest, broadest, as long as 6 + 7, the dorsal surface near the apex, slightly raised, oval-shaped, with a small pit in middle; 9–10 cylindrical, subequal in length, longer than 7; 11 longer than 10, pointed at apex.

*Pronotum* subquadrate, 1.3× as broad as long, the apical 1/3 strongly convex at sides; anterior border unmarginated; the lateral and posterior borders marginated; lateral margins rounded, broadest at apical 1/3, then narrowed towards the base; disc transversely depressed, smooth, impunctate, shiny; seta bearing pore at each corner small.

*Scutellum* triangular, as long as broad, rounded at apex, dark brown, impunctate.

*Elytra* broader at base than prothorax, parallel-sided, rounded at apex; epipleuron moderately broad, gradually narrowed towards apex; disc strongly punctured, with punctures rather confused.

Ventral surfaces densely covered with hairs, dark brown with bluish tinge. Procoxal cavities open posteriorly. Apical sternite as long as the 2 preceding segments combined, with apical margin entire.

*Legs* dark brown; metatibiae without a single spine at apex; segment 1 of metatarsus as long as segments 2 + 3; tarsal claws appendiculate. Length 7.2–7.4 mm.

Female. Antennae shorter, extended to the basal 1/3 of the elytra; segment 8 cylindrical but without raised area near the apex. Length 7.6–7.8 mm.

## List of Galerucinae species from Java

### 1. *Aplosomyx lituratus* Weise

*Material examined:* Indonesia, Java, Tjibodas, Hjalmar Möller, 1 (ZML).

### 2. *Aplosomyx semiflavus* (Wiedemann)

*Materials examined:* Indonesia, Java, Tjibodas, v–viii. 1897, Hjalmar Möller, 11 (ZML), 3 (UKM).

Remarks. In one specimen (female), the black area on the elytra is not limited to the apical half, but extended to the

basal half behind the scutellum.

### 3. *Arthrotus quadrimaculata* (Jacoby) n. comb.

*Materials examined:* Indonesia, Java, Tjibodas, v–viii. 1897, Hjalmar Möller, 2 (ZML).

Remarks. The species is listed in the Coleopterorum Catalogus (Wilcox 1971) under the genus *Dercetina*. Gressitt & Kimoto (1963), who established *Dercetina*, separates the genus from *Arthrotus* based on the male antennal segments. In *Dercetina* antennal segment 3 is distinctly longer than 2, and 4 distinctly shorter than 2 + 3, whereas in *Arthrotus* the 2 and 3 are short, subequal in length, and 4 2× longer than 2 + 3. The specimens here examined belong to the genus *Arthrotus*, and fit with the description of *quadrimaculata*, a species described by Jacoby from Java. Thus, a new combination, *Arthrotus quadrimaculata* (Jacoby) is here proposed.

### 4. *Aulacophora coffeae* (Hornstedt)

*Materials examined:* Indonesia, Java, Tjibodas, v–viii. 1897, Hjalmar Möller, 1 (ZML). Java, Buitenzorg, 1921, N. A. Kernner, 2 (ZML).

### 5. *Aulacophora flavomarginata* Duvivier

*Materials examined:* Indonesia, Java, Tjibodas, v–viii. 1897, Hjalmar Möller, 6 (ZML), 2 (UKM).

### 6. *Aulacophora indica* (Gmelin)

*Materials examined:* Indonesia, Java, Tjibodas Hjalmar Möller, 5 (ZML).

### 7. *Aulacophora quinqueplagiata* Duvivier

*Materials examined:* Indonesia, Java, Tjibodas, Hjalmar Möller, 4 (ZML), 2 (UKM).

### 8. *Aulacophora* sp.

Java, Tjibodas, v–viii. 1897, Hjalmar Möller, 2♂♂ (ZML).

Remarks. The beetles resemble *Aulacophora indica* Gmelin, but differ in having the pygidium bifurcate, not pointed.

### 9. *Cassena aeneipennis* Laboissiere

*Material examined:* Indonesia, Java, 2.v. 1897, Hjalmar Möller, 1 (ZML).

### 10. *Cerophysa javanensis* Mohamedsaid, n. sp.

Vide above.

### 11. *Gallerucida variabilis* (Jacoby)

*Material examined:* Indonesia, Java, Pelabohanratoe,



ii.1921, N. A. Kemner, 1 (ZML).

Remarks. This is a new record for Java.

**12. *Haplosomoides serenus* (Boheman)**

*Material examined:* Indonesia, Java, Tjibodas, v–viii.1897, Hjalmar Möller, 1 (ZML).

**13. *Medythia javana* (Jacoby)**

*Materials examined:* Indonesia, Java, Cheribon, 14.iv.1921, N. A. Kemner, 2 (ZML), 1 (UKM).

**14. *Mimastra violaceipennis* Jacoby**

*Materials examined:* Indonesia, Java, Pelabohanratoe, iii.1921, N. A. Kemner, 3 (ZML), 1 (UKM).  
Remarks. This is a new record for Java.

**15. *Monolepta bifasciata* (Hornstedt)**

*Material examined:* Indonesia, Java, Tjibodas, 1400 m, 24.v.1921, N. A. Kemner, 1 (ZML).  
Remarks. This is a new record for Java.

**16. *Monolepta pectoralis* Boheman**

*Material examined:* Indonesia, Java, Tjibodas, v–viii.1897, Hjalmar Möller, 1 (ZML).  
Remarks. This is a new record for Java.

**17. *Monolepta nigripes* (Olivier)**

*Materials examined:* Indonesia, Java, Buitenzorg, 1921, N. A. Kemner, 3 (ZML), 1 (UKM). Java, Tjibodas, 1400 m, 24.v.1921, N. A. Kemner, 1 (ZML).

**18. *Morphosphaera sumatrana* Jacoby**

*Material examined:* Indonesia, Java, Tjibodas, v–viii.1897, Hjalmar Möller, 1 (ZML).  
Remarks. This is a new record for Java.

**19. *Oides flavus* (Olivier)**

*Material examined:* Indonesia, Java, Tjibodas, v–viii.1897, Hjalmar Möller, 1 (ZML).

**20. *Platyxantha* sp.**

*Material examined:* Indonesia, Java, Tjibodas, v–viii.1897, Hjalmar Möller, 1 (ZML).

**21. *Strobiderus javanensis* (Jacoby)**

*Material examined:* Indonesia, Java, Buitenzorg, 1921, N. A. Kemner, 2 (ZML).

**22. *Taumacera drescheri* Weise**

*Material examined:* Indonesia, Java, Pelabohanratoe, ii.1921, N. A. Kemner, 1 (ZML).

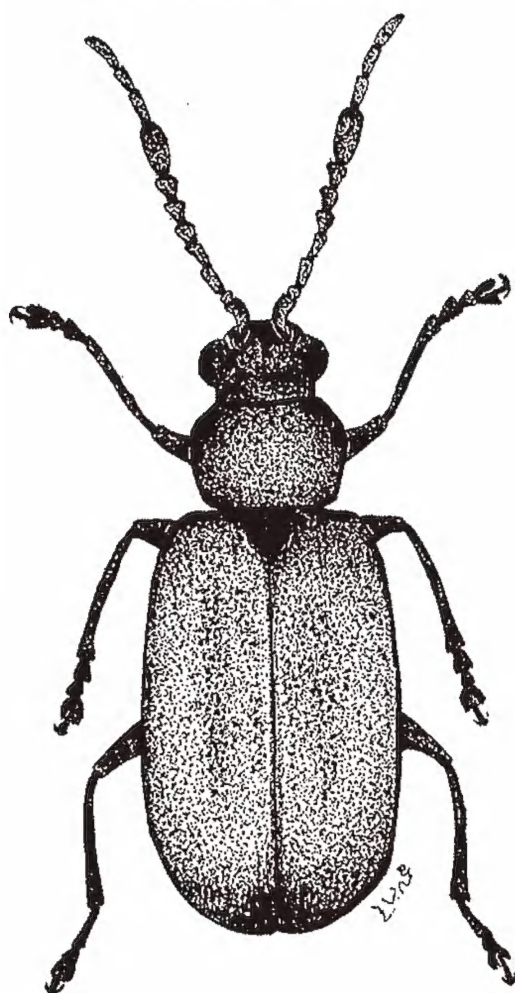


Fig. 1. Habitus of the male *Cerophysa javanensis*, n. sp

**23. *Taumacera sucki* Weise**

*Material examined:* Indonesia, Java, Tjibodas, v–viii.1897, Hjalmar Möller, 1 (ZML).  
Remarks. This is a new record for Java.

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